### **Planning Meeting**

**Purpose:** Present plan for UC approval

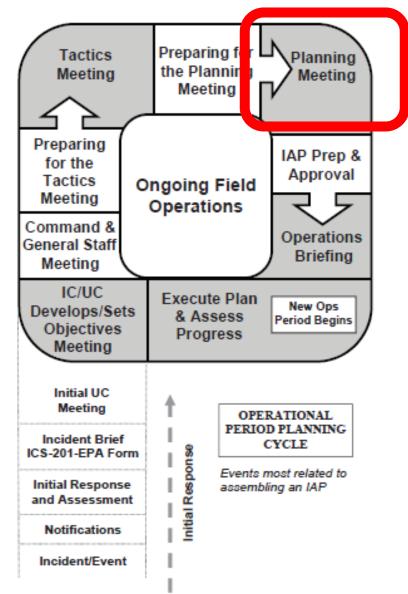
**Attends: C&G Staff** 

30 min meeting with review Of Ops 215

KLPs indicate support of plan

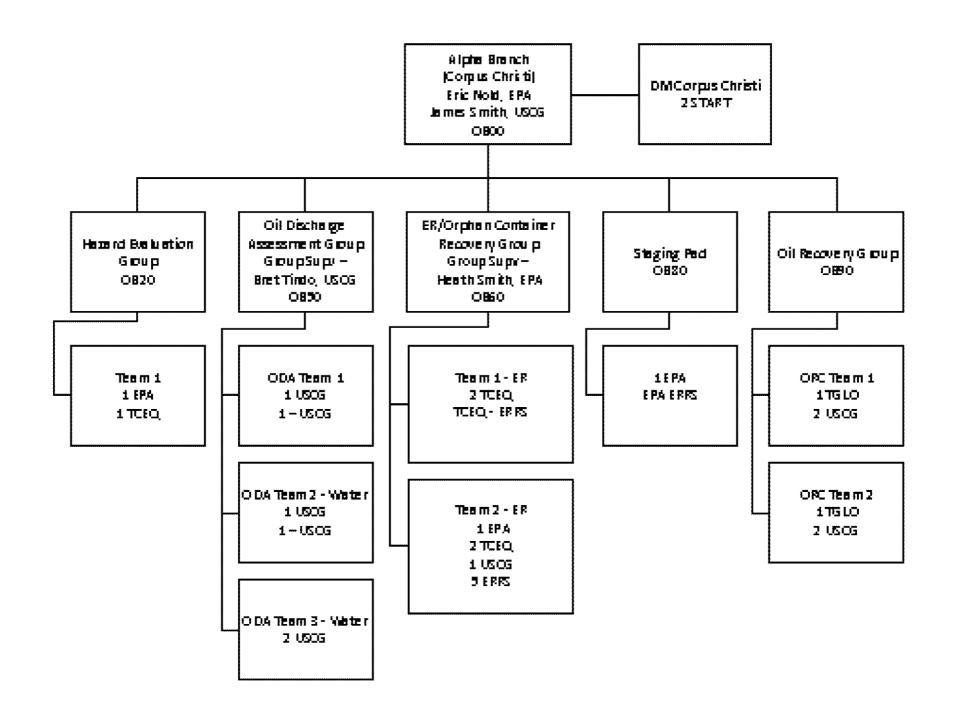
#### JANUARY 2016

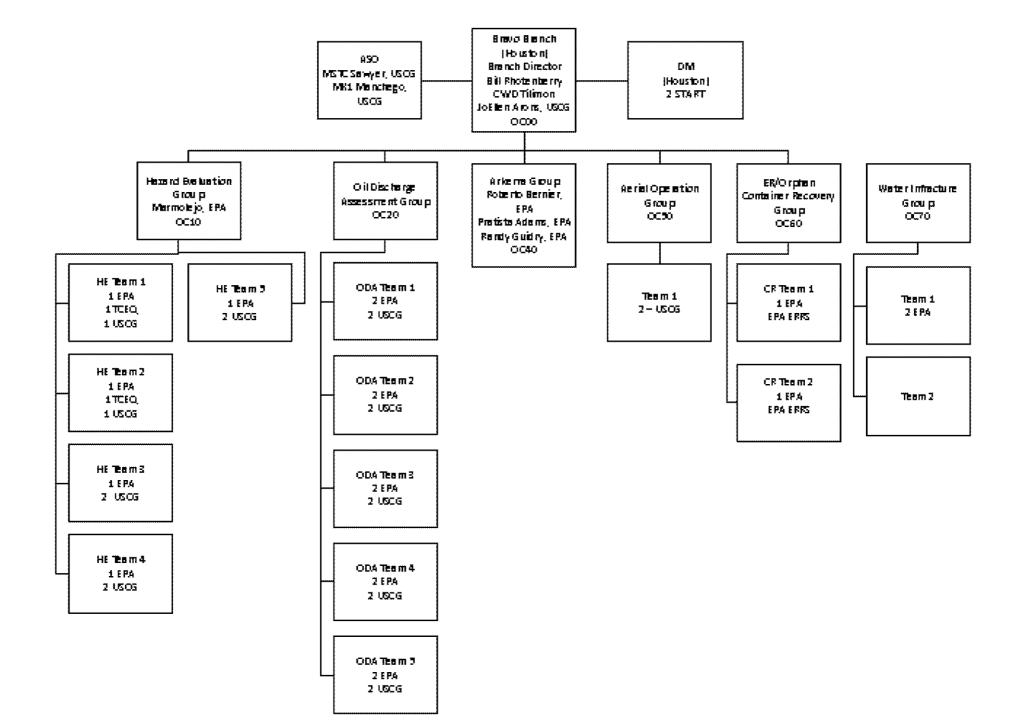
FIGURE 4-1: THE OPERATIONAL PERIOD PLANNING CYCLE



<ul> <li>Intro/OPs Period/Ground Rules/cell phones</li> </ul>	PSC
Opening Comments	IC
Org Chart	PSC
• Incident Objectives	SITL
• Situation/Update	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
• Org Chart	<b>PSC</b>
• Incident Objectives	SITL
<ul> <li>Situation/Update</li> </ul>	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC





<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
<ul> <li>Situation/Update</li> </ul>	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

# **Incident Objectives**

- Provide for the safety, welfare and security of response personnel.
- Maximize the protection of public, health, and safety.
- Identify affected drinking water and wastewater systems in each area, evaluate the systems to determine their operational status and facilitate system contact with Federal, State, and Local agencies (provide technical assistance).
- Conduct wide area assessment to identify orphaned containers equal to or greater than 5 gallons, potential or actual discharges from vessels and/or facilities, and document the most effective means for recovery or mitigation in accordance with Natural Disaster Operations Workgroup protocols.
- Prioritize, mitigate/recover product, and monitor identified pollution targets.
- Assess DHS critical infrastructure and RMP/FRP facilities for damage and immediate/ongoing releases.
- Identify secure areas to process and temporarily store for subsequent recycling, disposal, or return to original owner displaced orphan containers, above ground storage tanks, hazardous waste, and vessels.
- Identify locations and establish ESF 10 ICP, Branches, and Staging Areas commensurate to the size and scope of the incident.

# **Incident Objectives**

- Establish and maintain a common operating picture (COP).
- Identify and maximize protection of environmentally sensitive areas and threatened species.
- Manage a coordinated interagency response effort that reflects the composition of the Unified Command.
- Establish an IMT that can meet the initial and long-term challenges required for incident mitigation.
- Inform the public, stakeholders, and the media of response activities.
- Ensure appropriate financial accounting practices are adhered to.
- Establish a vessel recovery plan.
- Establish a strong interagency partnership with public and private organizations to determine ownership and disposition of targets.

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
• Situation/Update	SITL
Situation Update (SITL)	
Update on Current Operations (OPS)	
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
• Situation/Update	SITL
Weather for next Ops Period	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

### **Alpha Branch**

	gam L		isam L	12pm		2pm	3pm 22	
Forecast	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy	T- storms	Partly Cloudy	Partly Cloudy
Temp (°F)	80°	83°	85°	87°	88°	84°	86°	87°
RealFee(®)	910	95°	98°	99°	99°	95°	99°	96°
Wind (mph)	6 ESE	8 E	8 ESE	9 ESE	10 ESE	12 ESE	12 ESE	13 E
PRECIP	9am		11200	12pm	1,011	2,5111		45111
	7%	6%	<u></u>		8%	51%	47%	33%

#### **Bravo Branch**

MOMDAY		12211			in the state of th	2011	3pm	4pm
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	Partly Cloudy	Partly Cloudy	Partly Cloudy	Mostly Cloudy	Mostly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Tanp (°F)	80°	84°	87°	88°	90°	91°	93°	91°
Resificio	88°	96°	101°	101°	102°	103°	106°	102°
	5 NE	6 ENE	6 E	6 ESE	7 ESE	7 SE	7 SE	7 SE
	Gam					2,5171		4pm
	7%	7%	7%	7%	7%	7%	7%	7%

PSC
PSC
SITL
SITL
SITL
OPS
60
Staff
PSC
JC

### **Alpha Branch**

OF EIGHTIONAL	Hurricane HARVEY ALPHA BRANCH	KR IE NS DO SU	osc			sc	3T	ER contractor					STRIKETEAM	DRINKING WAT	MCPs	LRVs	COMMAND TRA	LOGISTICS TRA	LEVEL ATRUCK	MICP	FLOOD TRAIL	ERRS Skid Ste	ERRS Staked E	ERRS Hazmat	ERRS Equipme	ERRS Trucks	SKID STEER	STAKE BED TR	HAZMAT TRA	EQUIPMENT T	TRUCKS	Boats	opter	Boat	Boat	Command Post	Command Post	Command Post
4. DIVISIOH/ GROUP/ OTHER LOCATION	5. WORK ASSIGNMENTS	O C F E	EPA 0	START	ERRS	EPA RSC	EPA ERT	TCEO	TSG	TCEO	1610	CST	usce	EPAD	EPAM	EPALF	EPAC	EPALC	EPA LE	usce	USCG	TCEO	TCEO	TCEO	TCEO	TCEO	ERRS	ERRS	ERRS	ERRS	ERRS	ERRS	lelicop	TGLO	usce	TCEO	usce	TGLO
Hazard	TO SECURE THE TOTAL PRODUCTION OF THE PRODUCTION	REQ	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evaluation	Hazard Evaluation Team 1: Conduct haz eval/access in the Alpha geographical area	HAVE	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group		NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	Water Infrastructure Teams I: Conduct Assessment	REQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infrastructure Group	of Water Facilities in impacted areas	HAVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group		NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ER/Orphan	ER/Oraphn Container Recovery Team 1-2: Conduct	REQ	1	0	5	0	0	4	0	4	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	1	1	2	1	0	0	0	0	0	0
Container	ER activities to priority target sites. Recover Orphan	HAVE	į	0	5	0	0	4	0	4	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	1	1	2	1	0	0	0	0	0	0
Recovery Group	Containers from target list from Recon Operatons.	NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Discharge	OT Division Advisor IN Trans 12 Conduction	REQ	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Assessment	Oil Discharge Assessment Teams 1-3: Conduct oil discharge asssessment in the Alpha geogrpahical area	HAVE	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Group	, , , , , ,	NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	5 ¥ 105 4 4	REQ	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Discharge Recovery Group	Oil Discharge Recovery Teams 1-2: Conductoil discharge recoveryt in the Alpha geogrpahical area	HAVE	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		REQ	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	branch support	HAVE	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
		NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		REQ	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branch Support	staging area pad	HAVE	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
***		NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### **Bravo Branch**

OPERATION.	AL PLANNING WORKSHEET	K											TEAM	EPA DRINKING WATER			EPA COMMAND TRAILE	EPA LOGISTICS TRAILE	TRUCK		FLOOD TRAILER	STEER	BED TRUC	HAZMAT TRALEF	ENT TRA				,			d Post
Hurricane HAR BRANCH	VEY BRAVO	H O D U S R	30			SC	ERT	स					STRIKE	RINKING	CPs	svs svs	DMMAN	GISTIC	4	MICP	FLOOD	SKID ST	STAKE B	HAZMAT	EQUIPMENT	ERRS TRUCKS	ter	Boat		Boat	Boat	Command
4. DIVISIOH/ GROUP/ OTHER LOCATIOH	5. WORK ASSIGNMENTS	, E	EPA 0SC	START	ERRS	<b>EPARSC</b>	REAC ERT	EPA ERT	ESAT	TCEO	TGLO	CST	USCG	EPA D	<b>EPAMCPs</b>	EPA LRVS	EPA C	EPALO	EPA LEVEL	USCG MICP	usce	ERRS	ERRS	ERRS	ERRS	ERRS	Helicopter	TGLO F	T86	usce	ERRS	TCEO
	At Constitution 1 Build and a second	REQ	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	Air Operations Team 1: Rapid needs assessments in all areas	HAVE	į	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	CONTROL (198	NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ER/Orphan Container	ER/Recovery Team 1-2: Conduct ER activities to	REQ		0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery	priority target sites, Recover Orphan Containers from target list from Recon Operations.	HAVE	į	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Group	from target list from necon operations.	NEED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazard	Hazard Evaluation Team 1-5: Conduct hazard	REQ	į	0	0	0	0	0	0	2	0	0	8	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	2	0
	evaluation in the Bravo geographical area	HAVE		0	0	0	0	0	0	2	0	0	8	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	2	0
		NEED	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Discharge	Oil Discharge Assessment Teams 1-5: Conduct oil	REQ	į	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Assessment Group	discharge asssessment in the Bravo geogrpahical area	HAVE		0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	
- 20		NEED REQ		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arkema Group	Provide response capability to the Arkama	HAVE		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aikema Gioap	Inncident	NEED	į	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	To proper to the second	REQ		4	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1
	Assess NRC reports and report response needs to	HAVE	į	4	0	0	0	0	0	0	0	0	4	0	0	0	i	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Group	OSC	NEED		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.000	R in the other Administration R	REQ	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	ŏ
Water Infrastructure	Water Infrastructure Teams 1-2: Conduct	HAVE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Group	Assessment of Water Facilities in impacted areas	NEED		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
<ul> <li>Situation/Update</li> </ul>	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety Issues/Update	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

				6 .								Ę			7 .										8 ,	ORN	И	_
1. Incide	ent Name: ne SANDY on Response		12	H A Z A R	Material	ble Material	Stress	ps Falls	Vehicular/Traffic	ar Water		d Position/Motion	wn Atmosphere		CONTR	Plans/SOPs	raining/Qualification	Planning	System	sst Periods	Replenish Fluids	e Diet	Monitoring		SEVER-	P R O B < B − .	EXPOS	O R
3. DIVISION/ GROUP/ OTHER LOCATION	4. Work Assignments	5. Gain		DS	Toxic M	Flammable	Thermal	Slips Trip	Vehicula	Ops Near	Fatigue	Awkward	Uunknown		O L S	Safety F	Training	Travel P	Buddy S	Work/Rest	Replenis	Adequate	Air Moni		T Y	I T Y	U R E	9100
		Human Health	X	¥											Ų													
All DIV	Assess affected areas and environmental	Security		Check	Х	Х	Χ	Х	Х	Χ	χ	Х	Х		Check	Х	Χ	Х	Χ	Х	Х	Х	Χ		4	3	2	24
	sensitive areas per ACP.	Environment	X	5			-	,,					^		5	100							-	ě			-	
		Economy		055	1 8										0000													
		Human Health	X	1000										9	spres	n g												
All DIV	Respond to and mitigate identified pollutant	Security		80 X	X	Х	Х	Х	Х	Х	Χ	Χ	Х		S S	Х	X	Х	Х	χ	Х	Х	Х		4	3	2	24
AIIDIV	targets Hurricane Harvey related NRC reports	Environment	X	Check	^	^	٨	^	^	^	^	^	^		Check	^	^	^	^	^	^	^	^		4	3	-	24
9 8	2	Economy																										
		Human Health	X																				$\Box$					
A II DD (	Facility Observation	Security		Check	v	v	v	X	X	V	v	v			Check	V	Ç.	v	V	v	v	v			2	0	0	3.0
All DIV	Facility Observation	Environment	X	H.	X	X	X	X	X	Х	X	X			15	X	X	Х	X	Χ	X	Х			3	2	2	12
		Economy													1							3 /		8 I		ă J		

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
<ul> <li>Situation/Update</li> </ul>	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/PIO/UC)</li> <li>KLP Comments/Issues</li> <li>KLP Support Plan</li> </ul>	Staff
Schedule Highlights	PSC
Closing Remarks	UC

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
• Situation/Update	SITL
• Weather	SITL
• OPs Plan (215)	OPS
• Safety	SO
<ul> <li>Team Consensus (FSC/LSC/SO/LNO/IO/UC)</li> </ul>	Staff
<ul> <li>Schedule Highlights</li> <li>Ops Briefing @ 0730</li> <li>Next C&amp;G Staff Meeting @ 0900</li> </ul>	PSC
Closing Remarks	UC

# Planning Cycle Meeting Schedule

**Next Meeting = Ops Briefing @ 0730** 

Next C&G Staff Meeting @ 0900

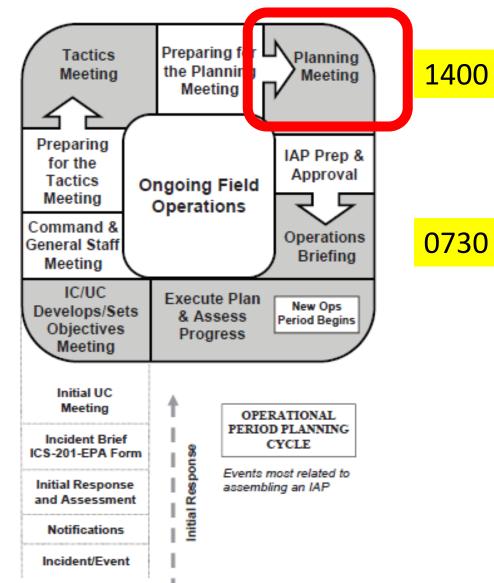
JANUARY 2016

1100

0930

0700

#### FIGURE 4-1: THE OPERATIONAL PERIOD PLANNING CYCLE



### **IAP Components**

#### JANUARY 2016

Com	ponents of an IAP (use as pertinent)	Primary Responsibility
1.	Incident Objectives (ICS 202 form)	Resource Unit
2.	Organization List/Chart (ICS 203/207 forms)	Resource Unit
3.	Assignment List (ICS 204 form)	Resource Unit
4.	Communications Plan (ICS 205 form)	Communications Unit
5.	Medical Plan (ICS 206 form)	Medical Unit
6.	Incident Map	Situation Unit
7.	Weather, tide forecast	Situation Unit
8.	Safety Plan	Safety Officer
9.	Decontamination Plan	Technical Specialist
10.	Waste Management or Disposal Plan	Technical Specialist
11.	Demobilization Plan	Demobilization Unit
12.	Air Operations Summary (ICS 220 form)	Air Operations Branch Director
13.	Traffic Plan	Ground Support Unit

**Provide IAP Components to RESL by 1800** 

<ul> <li>Intro/OPs Period/cell phones</li> </ul>	PSC
Org Chart	PSC
• Incident Objectives	SITL
<ul> <li>Situation/Update</li> </ul>	SITL
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